

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-607-1 Rev. A AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-607 REV. 4 AND EARLIER

REF TCCA STC: SH94-14
REF FAA STC: SR00213NY
REF EASA STC: EASA.10016996
REF BRAZILIAN STC: 2007S03-03/-04/-05/-06

PURPOSE

This service instruction provides parts and instructions for modifying a D350-607-041/-043 Heli-Utility-Basket for installation of scanning equipment.

Note: D350-607-043 Heli-Utility-Basket shown in these instructions; D350-607-041 modification is similar.

MODIFICATION PROCEDURE

Note: Fillet/tack weld per MIL-STD-2219/AMS-STD-2219 Class 'C' using ER308L or ER316L filler rod.

- 1) Disassemble basket and retain hardware.
- 2) Locate the D4317-1/-3 Viewing/Wiring Plates and trim expanded metal as shown in Figure 1 and Sections A-A and B-B. Remove finish on expanded metal locally and Tig weld (tack weld) D4317-1/-3 to the expanded metal.
- 3) Locate the D4831-1/-3 GPS Mounting Platforms, D2989-13 Ribs, and D4832-5 Ribs per Figure 1. Trim D2989-13 and D4832-5 Ribs as required.
- 4) Trim expanded metal to 12.75" from end of lid, both ends, and flush to central rib. Ref. Figure 1.
- 5) Trim basket lid rounded tubular rib at both ends of lid and flush to central rib. Ref. Figure 1.
- 6) Remove finish on the basket lid tubular structure and expanded metal locally.
- 7) Tig weld D2989-13 Ribs and D4832-5 Ribs to tubular structure as shown in Figure 1. Tig weld D4831-1/-3 GPS Mounting Platforms to D2989-13 Ribs, D4832-5 Ribs, and tubular structure as shown in Figure 1. Tack each strand of expanded metal to D4831-1/-3 GPS Mounting Platform, D4832-5 Ribs and D2989-13 Ribs and tubular structure as required.
- 8) Locate qty(4) D4316-041 Tube Assemblies as shown in Section C-C and E-E. Remove finish on the basket base hoops locally and Tig weld the D4316-041 in place.
- 9) Locate qty(2) D4832-041 Supports as shown in Section A-A and D-D. Ensure the top surface of D4832-041 Supports and D4136-041 Tube Assemblies are on same plane with within 0.030". Remove finish on the basket base hoops locally and Tig weld the D4832-041 Supports in place.
- 10) Touch up powder coat of affected areas on both Lid and Base with white powder coat (4.3.5.2) per DART QSI 005 4.3 or prime/paint per Aircraft Maintenance Manual.
- 11) Re-assemble basket per D350-607-1. Replace any worn hardware as necessary.

WEIGHT CHANGE

This modification adds 10 lbs to the weight of the basket which reduces the cargo carrying capacity of the basket by 10 lbs.

NOTE






If a basket modified per DSI 9644 is going to be used to carry loose cargo, the cutouts in the expanded metal for D4317-1 and D4317-3 must be covered with blanking plates (not provided).

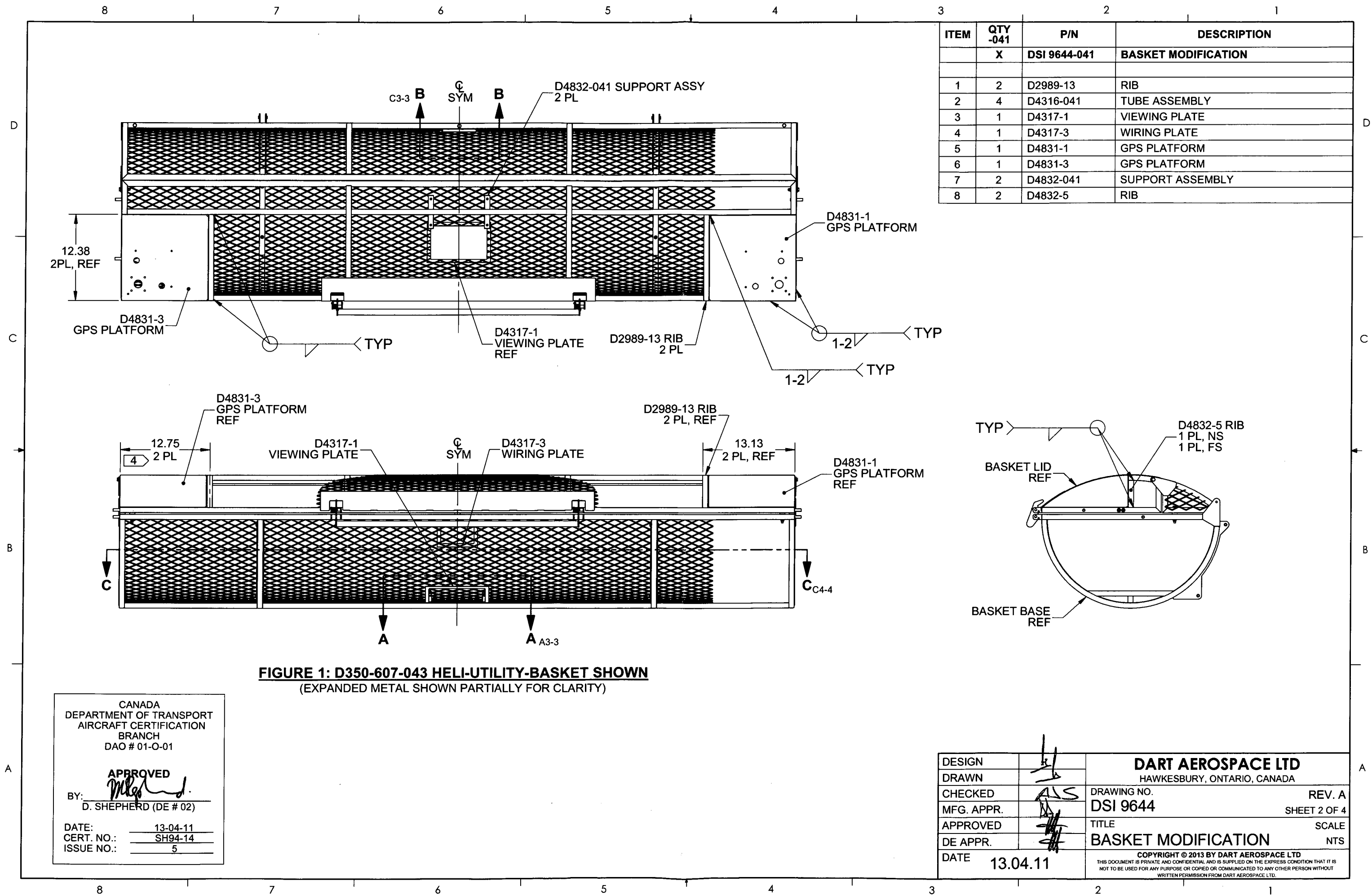
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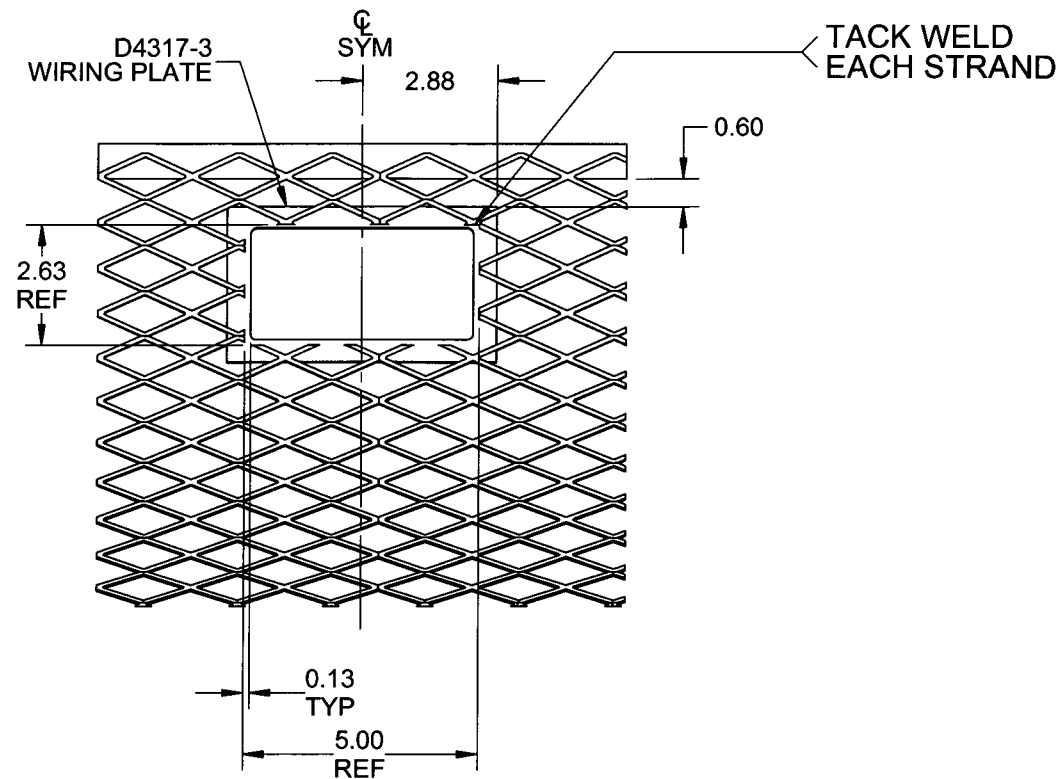
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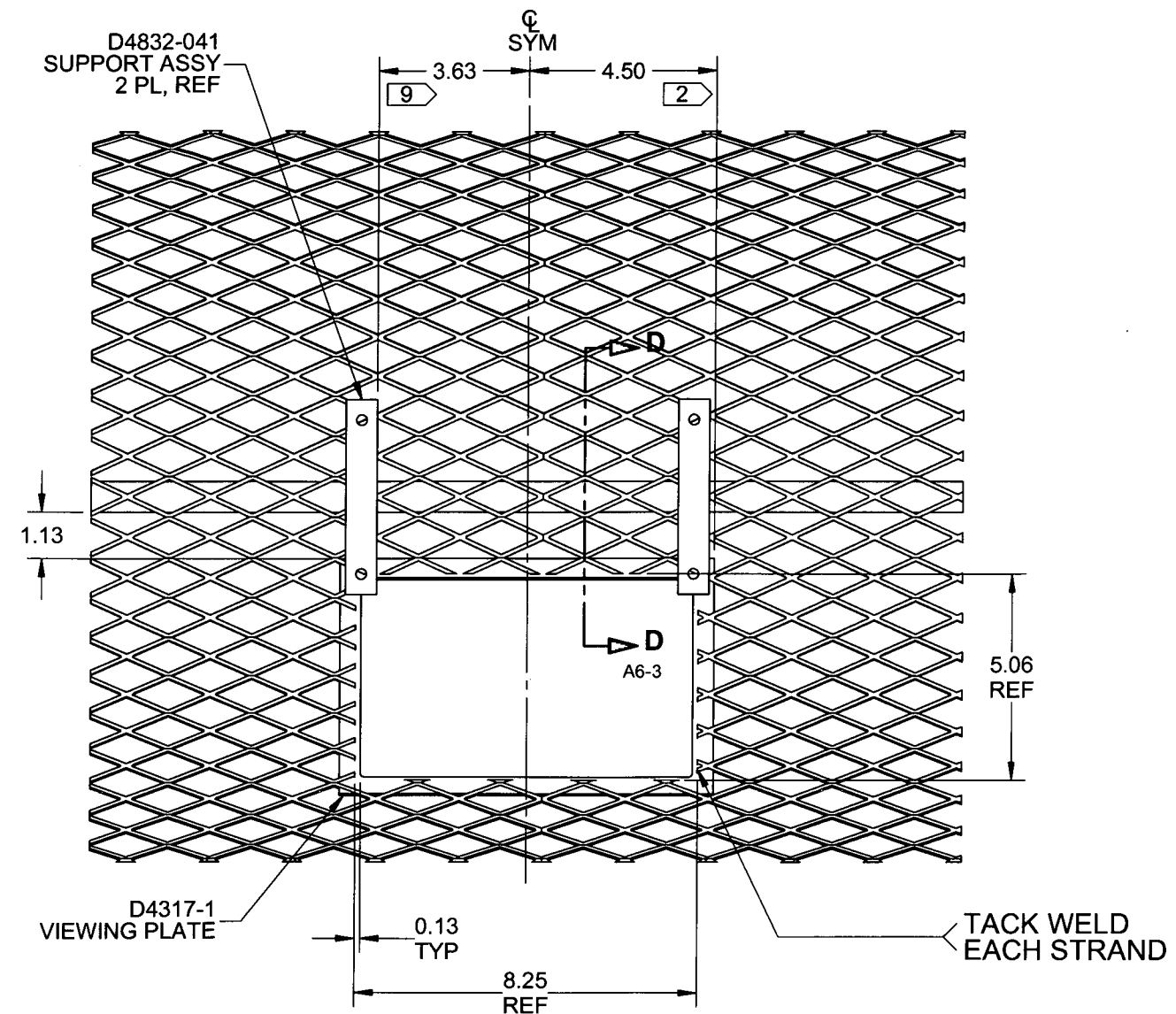
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MFG. APPR.		DSI 9644	SHEET 1 OF 4
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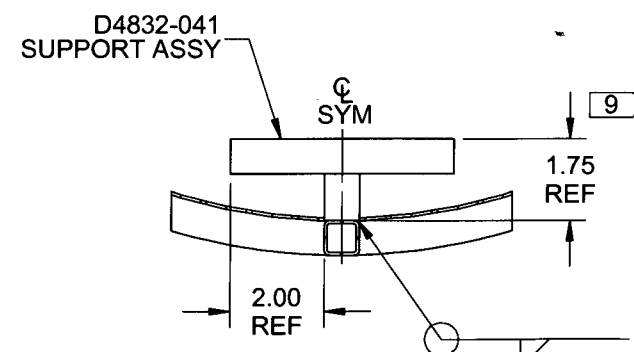




SECTION B-B D6-2
SCALE 3X 2



SECTION A-A B5-2
SCALE 3X 2



SECTION D-D B3-3
SCALE 3X

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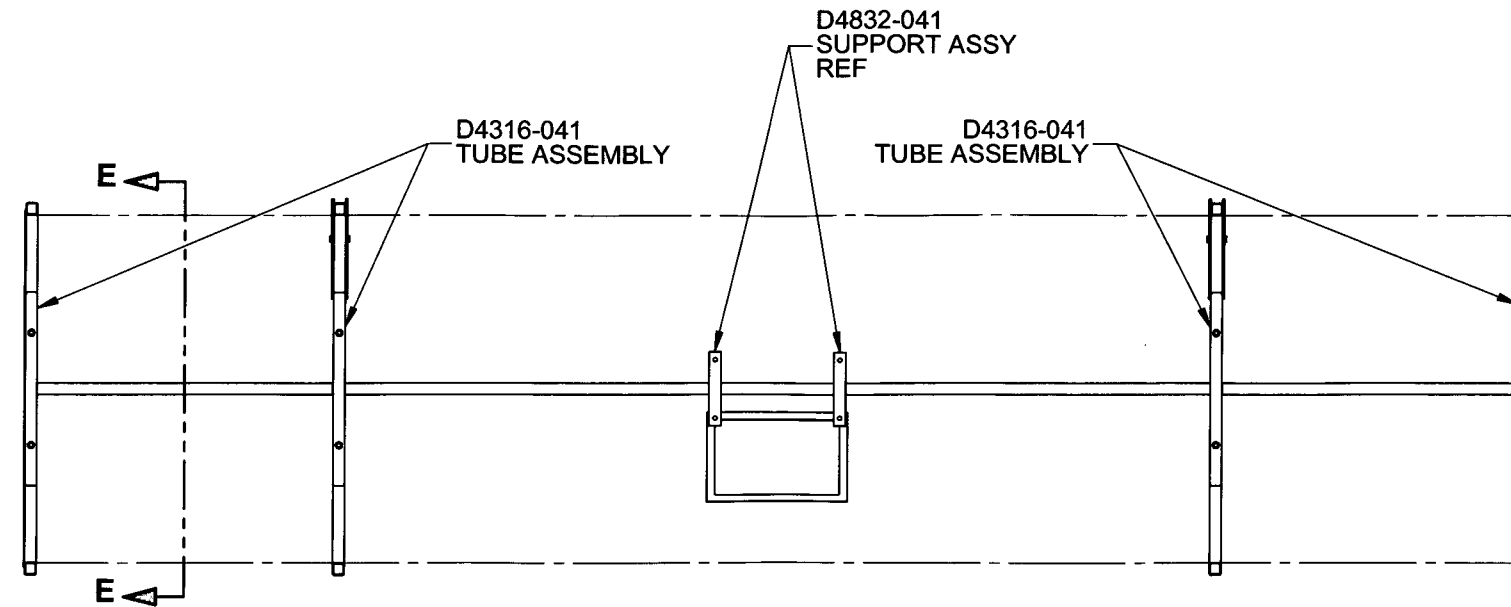
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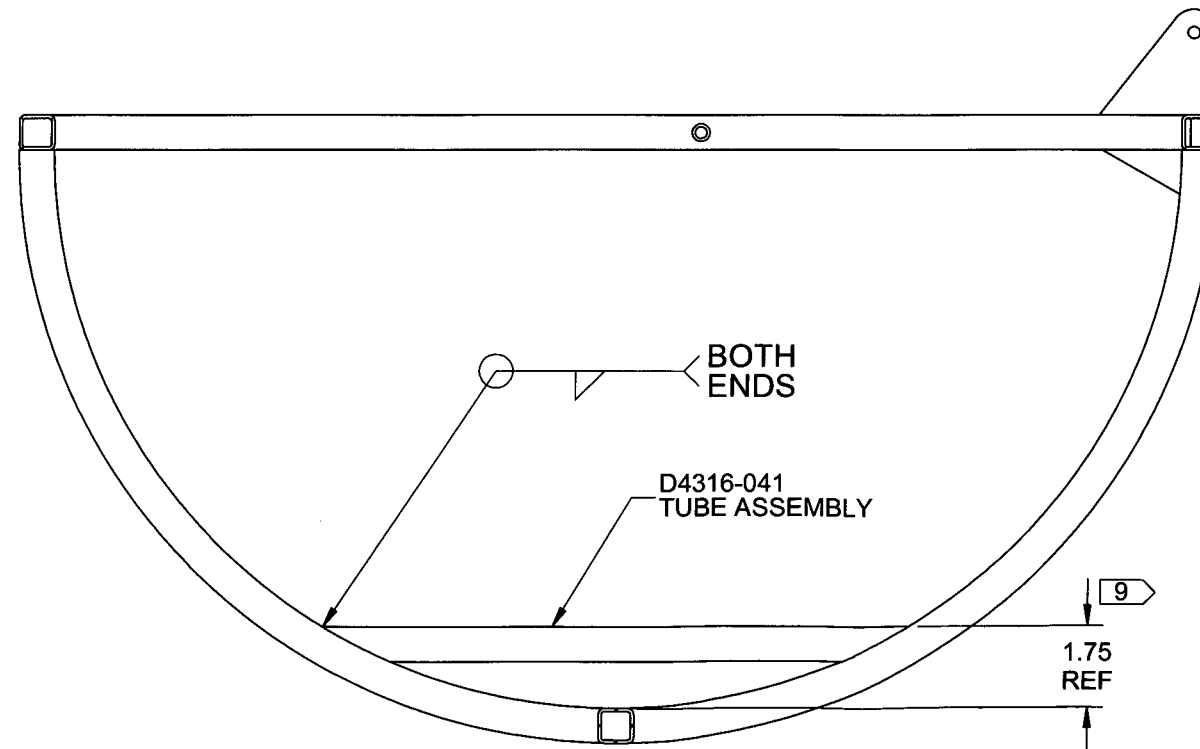
C

B

A



SECTION C-C C6-4
(EXPANDABLE METAL NOT SHOWN FOR CLARITY)



SECTION E-E C4-4
(EXPANDABLE METAL NOT SHOWN FOR CLARITY)
4 PL, SCALE 3X

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